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### 21 [BlogWall: a new paradigm of artistic public mobile communication](#)

Adrian David Cheok, Owen Noel Newton Fernando, Imiyage Janaka Prasad Wijesena, Abd-ur-Rehman Mustafa, Anne-Katrin Barthoff, Naoko Tosa  
 September 2007 MobileHCI '07: Proceedings of the 9th international conference on Human computer interaction with mobile devices and services

**Publisher:** ACM

Full text available: [pdf\(105.85 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

Short message service (SMS) is extremely popular today. Currently it is being mainly used for peer-to-peer communication. BlogWall extends the SMS to a new level of self-expression and public communication by combining art and poetry. The application ...

**Keywords:** GSM/GPRS, SMS, human-media interaction, mobile computing

**22** mCell: platform independent communication for small groups

 Merja Haveri, Jan Blom, Jyri Virtanen, Mikko Tarkiainen, Jonna Häkkilä

September 2007 MobileHCI '07: Proceedings of the 9th international conference on Human computer interaction with mobile devices and services

**Publisher:** ACM

Full text available:  pdf(553.53 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

In this paper, we describe the development and experiences with a mobile group communication application, mCell, that runs on a mobile phone. We present the underlying design implications, the application implementation, and a user study, where three ...

**Keywords:** CSCW, human-computer interaction, mobile devices, user studies

**23** Lessons learned from the deployment of a smartphone-based access-control system

 Lujo Bauer, Lorrie Faith Cranor, Michael K. Reiter, Kami Vaniea

July 2007 SOUPS '07: Proceedings of the 3rd symposium on Usable privacy and security

2007

**Publisher:** ACM

Full text available:  pdf(920.64 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 155, Citation Count: 0

Grey is a smartphone-based system by which a user can exercise her authority to gain access to rooms in our university building, and by which she can delegate that authority to other users. We present findings from a trial of Grey, with emphasis on how ...

**Keywords:** access control, mobile computing, security, smartphones, usability

**24** SmartSiren: virus detection and alert for smartphones

 Jerry Cheng, Starsky H.Y. Wong, Hao Yang, Songwu Lu

June 2007 MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services

**Publisher:** ACM

Full text available:  pdf(534.00 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 481, Citation Count: 0

Smartphones have recently become increasingly popular because they provide "all-in-one" convenience by integrating traditional mobile phones with handheld computing devices. However, the flexibility of running third-party softwares also leaves the smartphones ...

**Keywords:** alert, privacy, security, smartphone, virus detection

**25** [Wireless wakeups revisited: energy management for voip over wi-fi smartphones](#)

 Yuvraj Agarwal, Ranveer Chandra, Alec Wolman, Paramvir Bahl, Kevin Chin, Rajesh Gupta

June 2007 MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services

**Publisher:** ACM

Full text available:  pdf(1.32 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 391, Citation Count: 0

IP based telephony is rapidly gaining acceptance over traditional means of voice communication. Wireless LANs are also becoming ubiquitous due to their inherent ease of deployment and decreasing costs. In enterprise Wi-Fi environments, VoIP is a compelling ...

**Keywords:** VoIP, Wi-Fi, cellular networks, power management, smartphones

**26** [MyExperience: a system for \*in situ\* tracing and capturing of user feedback on mobile phones](#)

 Jon Froehlich, Mike Y. Chen, Sunny Consolvo, Beverly Harrison, James A. Landay

June 2007 MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services

**Publisher:** ACM

Full text available:  pdf(2.81 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 35, Downloads (12 Months): 509, Citation Count: 0

This paper presents MyExperience, a system for capturing both objective and subjective *in situ* data on mobile computing activities. MyExperience combines the following two techniques: 1) passive logging of device usage, user context, and environmental ...

**Keywords:** SmartPhones, context-aware systems, experience sampling method (ESM), field studies, *in situ* evaluation, mobile computing, toolkit, usage logging, user surveys, user-centered design

**27** [A history of Erlang](#)



Joe Armstrong

June 2007 HOPL III: Proceedings of the third ACM SIGPLAN conference on History of programming languages

**Publisher:** ACM

Full text available:  pdf(446.07 KB)

Additional Information: [full citation, appendices and supplements](#), [abstract, references, index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 84, Downloads (12 Months): 1610, Citation Count: 0

Erlang was designed for writing concurrent programs that "run forever." Erlang uses concurrent processes to structure the program. These processes have no shared memory and communicate by asynchronous message passing. Erlang processes are lightweight ...

**28** [When home base is not a place: parents' use of mobile telephones](#)

Leysia Palen, Amanda Hughes

June 2007 Personal and Ubiquitous Computing, Volume 11 Issue 5

**Publisher:** Springer-Verlag

Additional Information: [full citation, abstract, references, index terms](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

More attention is being paid to the development of information and communication technologies (ICTs) that are sensitive to the needs of people in their homes. By studying mobile telephony in such settings, we contribute to this discussion by examining ...

**29** [An agent-based approach for privacy-preserving recommender systems](#)



Richard Cissée, Sahin Albayrak

May 2007 AAMAS '07: Proceedings of the 6th international joint conference on Autonomous agents and multiagent systems

**Publisher:** ACM

Full text available:  pdf(346.44 KB)

Additional Information: [full citation, abstract, references, index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 92, Citation Count: 0

Recommender Systems are used in various domains to generate personalized information based on personal user data. The ability to preserve the privacy of all participants is an essential requirement of the underlying Information Filtering architectures, ...

**Keywords:** information filtering, multiagent systems, privacy, recommender systems, trust

**30** [Safety, software architecture and MIL-STD-1760](#)

Matthew John Squair

May 2007 SCS '06: Proceedings of the eleventh Australian workshop on Safety critical systems and software - Volume 69, Volume 69

**Publisher:** Australian Computer Society, Inc.

Full text available:  pdf(1.57 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 433, Citation Count: 0

Integrating modern aircraft stores, particularly weapons, creates a complex system of systems challenge. The traditional approach to such integrations was for each to be a stand-alone program. For each program a unique interface would usually be implemented, ...

**Keywords:** MIL-STD-1760, architecture, safety, software

**31** [Sabbath day home automation: "it's like mixing technology and religion"](#)

 Allison Woodruff, Sally Augustin, Brooke Foucault

April 2007 CHI '07: Proceedings of the SIGCHI conference on Human factors in computing systems

**Publisher:** ACM

Full text available:  pdf(271.34 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 298, Citation Count: 1

We present a qualitative study of 20 American Orthodox Jewish families' use of home automation for religious purposes. These lead users offer insight into real-life, long-term experience with home automation technologies. We discuss how automation was ...

**Keywords:** domestic technology, family life, home automation, religious technology, smart homes, ubiquitous computing

**32** [A novel approach for a file-system integrity monitor tool of Xen virtual machine](#)

 Nguyen Anh Quynh, Yoshiyasu Takefuji

March 2007 ASIACCS '07: Proceedings of the 2nd ACM symposium on Information, computer and communications security

**Publisher:** ACM

Full text available:  pdf(253.86 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 307, Citation Count: 0

File-system integrity tools (FIT) are commonly deployed host-based intrusion detections (HIDS) tool to detect unauthorized file-system changes. While FIT are widely used, this kind of HIDS has many drawbacks: the intrusion detection is not done in real-time ...

**Keywords:** Linux, Xen virtual machine, intrusion detection, rootkit

**33** [SIM and USIM filesystem: a forensics perspective](#)

 Antonio Savoldi, Paolo Gubian  
March SAC '07: Proceedings of the 2007 ACM symposium on Applied computing 2007

**Publisher:** ACM

Full text available:  [pdf\(167.67 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 312, Citation Count: 0

The main purpose of this paper is to describe the real filesystem of SIM and USIM cards, enlightening what the official standard reference does not say. By analyzing the full filesystem of such embedded devices, it is possible to find a lot of undocumented ...

**Keywords:** SIM/USIM card, data hiding, filesystem, filesystem analysis, imaging tool

**34** [Proceedings of the 2007 ACM symposium on Applied computing](#)

 Yookun Cho, Yong Wan Koo, Roger L. Wainwright, Hisham M. Haddad, Sung Y. Shin  
March 2007 proceeding

**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

On behalf of the Organization Committee, it is our pleasure to welcome you to the 22nd Annual ACM Symposium on Applied Computing (SAC 2007). This year, the conference is hosted by Seoul National University and Suwon University in Gyeonggi-do, Korea. ...

**35** Online forums supporting grassroots participation in emergency preparedness and response



Leysia Palen, Starr Roxanne Hiltz, Sophia B. Liu  
March 2007 Communications of the ACM, Volume 50 Issue 3

**Publisher:** ACM

Full text available: pdf(272.58 KB) html(21.64 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 353, Citation Count: 1

"When danger arises, the rule in normal situations is for people to help those next to them before they help themselves."

**36** Usability and privacy in identity management architectures

Audun Jøsang, Muhammed Al Zomai, Suriadi Suriadi  
January 2007 ACSW '07: Proceedings of the fifth Australasian symposium on ACSW frontiers - Volume 68, Volume 68

**Publisher:** Australian Computer Society, Inc.

Full text available: pdf(1.10 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 316, Citation Count: 0

Digital identities represent who we are when engaging in online activities and transactions. The rapid growth in the number of online services leads to an increasing number of different identities that each user needs to manage. As a result, many ...

**Keywords:** federation, identity management, privacy, security, usability, user-centric

**37** Empirical observations on the emergence of mobile multimedia services and applications in the U.S. and Europe



Hannu Verkasalo

December 2006 MUM '06: Proceedings of the 5th international conference on Mobile and ubiquitous multimedia

**Publisher:** ACM

Full text available: pdf(409.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 32, Downloads (12 Months): 288, Citation Count: 0

Mobile multimedia is still at early stages of commercialization, and pioneering solutions are currently adopted by only early-adopter-type of end-users. Accurate handset-based usage-level measurements have been implemented in several panel studies taking ...

**Keywords:** 3<sup>rd</sup> party applications, Symbian smartphones, mobile multimedia services, multimedia communications

**38 Chatting with teenagers: Considering the place of chat technologies in teen life**

 **Rebecca E. Grinter, Leysia Palen, Margery Eldridge**  
December 2006 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 13 Issue 4

**Publisher:** ACM

Full text available:  pdf(151.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 58, Downloads (12 Months): 748, Citation Count: 0

In the last few years, teenagers have been on the forefront of adopting short message service (SMS), a mobile phone-based text messaging system, and instant messaging (IM), a computer-based text chat system. However, while teenage adoption of SMS had ...

**Keywords:** IMing, Text messaging, instant messaging, texting

**39 Analyzing the input stream for character- level errors in unconstrained text entry evaluations**

 **Jacob O. Wobbrock, Brad A. Myers**  
December 2006 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 13 Issue 4

**Publisher:** ACM

Full text available:  pdf(1.39 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 151, Citation Count: 4

Recent improvements in text entry error rate measurement have enabled the running of text entry experiments in which subjects are free to correct errors (or not) as they transcribe a presented string. In these “unconstrained” experiments, ...

**Keywords:** EdgeWrite, Text entry, character recognition, confusion matrix, deletion, error rate, gesture, input stream, insertion, minimum string distance, nonrecognition, omission, optimal alignment, presented string, recognizer, stream alignment, stroke, substitution, text input, transcribed string

## 40 Software management



Cindy Dooling, Jeff White, Cathy Lee

November 2006 SIGUCCS '06: Proceedings of the 34th annual ACM SIGUCCS conference on User services

**Publisher:** ACM

Full text available:  [pdf\(66.43](#)

KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 66, Citation Count: 0

Software management problems? In this session presenters will discuss and demonstrate how Pima Community College (PCC) reigned in control of the software on 5,550 desktop and portable computers located over six campuses, two district offices, and nine ...

**Keywords:** administrative support, audit, communication, computers, licenses, principles, software management, training

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